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A NEW EDITION OF THE MARS 1:5,000,000 MAP SERIES
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A new edition of the Mars 1:5,000,000-scale map series is in preparation. Two sheets will be made for each quadrangle. Sheet 1 will show shaded relief, contours, and nomenclature. Sheet 2 will be a full-color photomosaic prepared on the Mars digital image model (MDIM) base co-registered with the Mars low-resolution color database. The latter will have an abbreviated graticule (latitude/longitude ticks only) and no other line overprint.

The four major databases used to assemble this series are now virtually complete. These are (1) Viking-revised shaded relief maps at 1:5,000,000 scale, (2) contour maps at 1:2,000,000 scale (Wu et al., 1990), (3) the Mars digital image model (Batson and Edwards, 1990), and (4) a color image mosaic of Mars. Together, these databases form the most complete planetwide cartographic definition of Mars that can be compiled with existing data. The new edition will supersede the published Mars 1:5,000,000-scale maps, including the original shaded relief and topographic maps made primarily with Mariner 9 data and the Viking-revised shaded relief and controlled photomosaic series. Publication of the new series will begin in late 1991 or early 1992, and it should be complete within two years.

REFERENCES

- Batson, R.M., and Edwards, Kathleen, 1990, The Mars digital cartographic database (abs.), in Reports of the Planetary Geology and Geophysics Program--1989: National Aeronautics and Space Administration Technical Memorandum 4210, p. 567- 570.
- Wu, S.S.C., Ablin, K.F., Garcia, P.A., and Jordan, Raymond, 1990, Status of the 1:2,000,000-scale topographic map series of Mars (abs.), in Reports of the Planetary Geology and Geophysics Program--1989: National Aeronautics and Space Administration Technical Memorandum 4210, p. 72.